

**I CLAIM:**

1. A composition comprising an oil-in-water emulsion comprising:
  - (a) allantoin; and
  - (b) at least one anionic or nonionic emulsifier that is substantially hydrophilic and is soluble in water;wherein the pH of the composition is in a range of from about 3.0 to about 6.0.
2. The composition of claim 1 wherein the pH of the composition is in a range of from about 5.0 to about 6.0.
3. The composition of claim 1 where the at least one anionic or nonionic emulsifier is selected from the group consisting of:
  - (a) an acidic anionic polymer;
  - (b) an anionic emulsifier selected from the group consisting of ammonium lauryl sulfate, sodium laureth sulfate, sodium oleyl succinate, ammonium lauryl sulfosuccinate, sodium dodecylbenzenesulfonate, ammonium laureth sulfate, sodium N-lauryl sarcosinate, and sodium lauryl sulfate;
  - (c) a nonionic emulsifier that is an ethoxylated ether or an ethoxylated ester whose chain length ranges from 8 to 22 carbon atoms;
  - (d) glyceryl stearate;
  - (e) cetyl alcohol;
  - (f) stearic acid;
  - (g) sodium stearoyl lactylate;
  - (h) sodium isostearoyl lactylate;
  - (i) triethanolamine stearate;
  - (j) a polyethylene glycol ether of cetearyl alcohol wherein the number of polyethylene glycol moieties in the ether is from 6 to 40; and
  - (k) an acidic wax.
4. The composition of claim 1 further comprising a carbohydrate polymer selected from the group consisting of galactoarabinan, polygalactose, and polyarabinose.

5. The composition of claim 4 wherein the carbohydrate polymer is galactoarabinan.
6. A composition comprising an oil-in-water emulsion comprising:
- (a) allantoin; and
  - (b) an emulsifier system comprising:
    - (i) an acidic anionic polymer; and
    - (ii) a polyethylene glycol ester of stearic acid;
- wherein the pH of the composition is from about 3.0 to about 6.0.
7. The composition of claim 6 wherein the pH of the composition is from about 5.0 to about 6.0.
8. The composition of claim 6 wherein the acidic anionic polymer is a carboxypolymethylene polymer.
9. The composition of claim 6 further comprising a carbohydrate polymer.
10. The composition of claim 9 wherein the carbohydrate polymer is selected from the group consisting of galactoarabinan, polygalactose, and polyarabinose.
11. The composition of claim 10 wherein the carbohydrate polymer is galactoarabinan.
12. The composition of claim 6 wherein the composition further comprises at least one of:
- (a) an emollient component comprising at least one emollient selected from the group consisting of lanolin oil, cetyl alcohol, stearyl alcohol, and cod liver oil;
  - (b) at least one antioxidant selected from the group consisting of butylated hydroxytoluene and butylated hydroxyanisole;
  - (c) a solvent component comprising at least one solvent selected from the group consisting of ethylene glycol, propylene glycol, glycerin, and butylene glycol; and

(d) a preservative component comprising at least one preservative selected from the group consisting of methylparaben, propylparaben, and diazolidinyl urea.

13. The composition of claim 7 wherein the composition comprises:

- (a) from about 50.0% to about 90.0% of water;
- (b) from about 0.30% to about 3.0% of a carboxypolymethylene polymer;
- (c) from about 2.0% to about 9.0% of propylene glycol;
- (d) from about 0.25% to about 2.5% of PEG-100 stearate;
- (e) from about 5.0% to about 15.0% of lanolin oil;
- (f) from about 1.0% to about 8.0% of cetyl alcohol;
- (g) from about 0.5% to about 6.0% of stearyl alcohol;
- (h) from about 1.0% to about 7.0% of cod liver oil;
- (i) from about 0.10% to about 1.0% of butylated hydroxytoluene;
- (j) from about 0.10% to about 0.50% of methylparaben;
- (k) from about 0.10% to about 0.50% of propylparaben;
- (l) from about 0.05% to about 0.25% of diazolidinyl urea;
- (m) from about 0.50% to about 10.0% of allantoin;
- (n) from about 0.05% to about 0.50% of fragrance; and
- (o) from about 0.05% to about 3.0% of triethanolamine.

14. The composition of claim 13 wherein the composition comprises:

- (a) from about 60.0% to about 85.0% of water;
- (b) from about 0.50% to about 2.0% of a carboxypolymethylene polymer;
- (c) from about 4.0% to about 7.0% of propylene glycol;
- (d) from about 0.50% to about 2.0% of PEG-100 stearate;
- (e) from about 8.0% to about 12.0% of lanolin oil;
- (f) from about 2.0% to about 7.0% of cetyl alcohol;
- (g) from about 0.75% to about 5.0% of stearyl alcohol;
- (h) from about 1.0% to about 4.0% of cod liver oil;
- (i) from about 0.20% to about 0.80% of butylated hydroxytoluene;
- (j) from about 0.15% to about 0.40% of methylparaben;
- (k) from about 0.15% to about 0.45% of propylparaben;

- (l) from about 0.10% to about 0.20% of diazolidinyl urea;
- (m) from about 1.0% to about 2.0% of allantoin;
- (n) from about 0.10% to about 0.40% of fragrance; and
- (o) from about 0.20% to about 2.0% of triethanolamine.

15. The composition of claim 14 wherein the composition comprises:

- (a) about 69.95% of water;
- (b) about 0.85% of a carboxypolymethylene polymer;
- (c) about 5.70% of propylene glycol;
- (d) about 2.0% of PEG-100 stearate;
- (e) about 10.60% of lanolin oil;
- (f) about 4.20% of cetyl alcohol;
- (g) about 1.50% of stearyl alcohol;
- (h) about 2.00% of cod liver oil;
- (i) about 0.50% of butylated hydroxytoluene;
- (j) about 0.30% of methylparaben;
- (k) about 0.25% of propylparaben;
- (l) about 0.15% of diazolidinyl urea;
- (m) about 1.50% of allantoin;
- (n) about 0.20% of fragrance; and
- (o) about 0.80% of triethanolamine.

16. The composition of claim 13 wherein the composition comprises:

- (a) about 62.45% of water;
- (b) about 0.85% of a carboxypolymethylene polymer;
- (c) about 5.70% of propylene glycol;
- (d) about 2.0% of PEG-100 stearate;
- (e) about 10.60% of lanolin oil;
- (f) about 4.20% of cetyl alcohol;
- (g) about 1.50% of stearyl alcohol;
- (h) about 2.00% of cod liver oil;
- (i) about 0.50% of butylated hydroxytoluene;

- (j) about 0.30% of methylparaben;
- (k) about 0.25% of propylparaben;
- (l) about 0.15% of diazolidinyl urea;
- (m) about 9.00% of allantoin;
- (n) about 0.20% of fragrance; and
- (o) about 0.80% of triethanolamine.

17. A composition comprising an oil-in-water emulsion comprising:

- (a) allantoin; and
- (b) an emulsifier system comprising:
  - (i) an acidic anionic polymer; and
  - (ii) an anionic emulsifier that is substantially hydrophilic and is

soluble in water, the pH of the composition being adjusted to a range of from about 3.0 to about 6.0.

18. The composition of claim 17 wherein the pH of the composition is from about 5.0 to about 6.0.

19. The composition of claim 17 wherein the anionic emulsifier is selected from the group consisting of ammonium lauryl sulfate, sodium laureth sulfate, sodium oleyl succinate, ammonium lauryl sulfosuccinate, sodium dodecylbenzenesulfonate, ammonium laureth sulfate, sodium N-lauryl sarcosinate, and sodium lauryl sulfate.

20. The composition of claim 19 wherein the anionic emulsifier is sodium lauryl sulfate.

21. The composition of claim 17 wherein the acidic anionic polymer is carboxypolymethylene.

22. The composition of claim 17 further comprising a carbohydrate polymer selected from the group consisting of galactoarabinan, polygalactose, and polyarabinose.

23. The composition of claim 22 wherein the carbohydrate polymer is galactoarabinan.

24. A composition comprising an oil-in-water emulsion comprising:

- (a) allantoin;
- (b) an emulsifier system comprising an acidic anionic polymer; and
- (c) a base to adjust the pH of the composition to a value in a range from about 3.0 to about 5.5.

25. The composition of claim 24 wherein the pH is in a range from about 5.0 to about 5.5.

26. The composition of claim 24 wherein the acidic anionic polymer is carboxypolymethylene.

27. The composition of claim 24 wherein the base is an inorganic base.

28. The composition of claim 24 wherein the base is an organic base.

29. The composition of claim 28 wherein the base is triethanolamine.

30. The composition of claim 24 wherein the composition further comprises at least one of:

- (a) an emollient component comprising at least one emollient selected from the group consisting of lanolin oil, cetyl alcohol, and cod liver oil;
- (b) at least one antioxidant selected from the group consisting of butylated hydroxytoluene and butylated hydroxyanisole;
- (c) a solvent component comprising at least one solvent selected from the group consisting of ethylene glycol, propylene glycol, glycerin, and butylene glycol; and
- (d) a preservative component comprising at least one preservative selected from the group consisting of methylparaben and propylparaben.

31. The composition of claim 25 wherein the composition comprises:

- (a) from about 50.0% to about 90.0% of water;
- (b) from about 0.40% to about 3.0% of a carboxypolymethylene polymer;
- (c) from about 2.0% to about 9.0% of propylene glycol;
- (d) from about 5.0% to about 15.0% of lanolin oil;
- (e) from about 1.0% to about 8.0% of cetyl alcohol;
- (f) from about 1.0% to about 7.0% of cod liver oil;
- (g) from about 0.10% to about 1.0% of butylated hydroxytoluene;
- (h) from about 0.10% to about 0.50% of methylparaben;
- (i) from about 0.10% to about 0.50% of propylparaben;
- (j) from about 0.50% to about 10.0% of allantoin;
- (k) from about 0.05% to about 0.50% of fragrance; and
- (l) from about 0.05% to about 3.0% of triethanolamine.

32. The composition of claim 31 wherein the composition comprises:

- (a) from about 60.0% to about 80.0% of water;
- (b) from about 0.50% to about 2.0% of a carboxypolymethylene polymer;
- (c) from about 4.0% to about 7.0% of propylene glycol;
- (d) from about 8.0% to about 12.0% of lanolin oil;
- (e) from about 2.0% to about 7.0% of cetyl alcohol;
- (f) from about 1.0% to about 4.0% of cod liver oil;
- (g) from about 0.30% to about 0.80% of butylated hydroxytoluene;
- (h) from about 0.15% to about 0.40% of methylparaben;
- (i) from about 0.15% to about 0.40% of propylparaben;
- (j) from about 1.0% to about 2.0% of allantoin;
- (k) from about 0.10% to about 0.40% of fragrance; and
- (l) from about 0.20% to about 3.0% of triethanolamine.

33. The composition of claim 32 wherein the composition comprises:

- (a) about 73.55% of water;
- (b) about 1.00% of a carboxypolymethylene polymer;
- (c) about 5.70% of propylene glycol;
- (d) about 12.0% of lanolin oil;

- (e) about 3.00% of cetyl alcohol;
- (f) about 2.00% of cod liver oil;
- (g) about 0.50% of butylated hydroxytoluene;
- (h) about 0.30% of methylparaben;
- (i) about 0.25% of propylparaben;
- (j) about 1.50% of allantoin;
- (k) about 0.20% of fragrance; and
- (l) about 0.80% of triethanolamine.

34. The composition of claim 31 wherein the composition comprises:

- (a) about 66.05% of water;
- (b) about 1.00% of a carboxypolymethylene polymer;
- (c) about 5.70% of propylene glycol;
- (d) about 12.0% of lanolin oil;
- (e) about 3.00% of cetyl alcohol;
- (f) about 2.00% of cod liver oil;
- (g) about 0.50% of butylated hydroxytoluene;
- (h) about 0.30% of methylparaben;
- (i) about 0.25% of propylparaben;
- (j) about 9.00% of allantoin;
- (k) about 0.20% of fragrance; and
- (l) about 0.80% of triethanolamine.

35. A composition comprising an oil-in-water emulsion comprising:

- (a) allantoin; and
- (b) an emulsifier system comprising:
  - (i) an acidic anionic polymer; and
  - (ii) a nonionic emulsifier that is an ethoxylated ether or an ethoxylated

ester whose carbon chain length ranges from 8 to 22 carbon atoms, wherein the pH of the composition is from about 3.0 to about 6.0.



36. The composition of claim 35 wherein the pH of the composition is from about 5.0 to about 6.0.

37. The composition of claim 35 wherein the acidic anionic polymer is carboxypolymethylene.

38. The composition of claim 35 further comprising a carbohydrate polymer selected from the group consisting of galactoarabinan, polygalactose, and polyarabinose.

39. The composition of claim 38 wherein the carbohydrate polymer is galactoarabinan.

40. The composition of claim 35 wherein the emulsifier system further comprises glyceryl stearate.

41. The composition of claim 35 further comprising at least one of:

- (a) an emollient component comprising at least one emollient selected from the group consisting of lanolin oil, cetyl alcohol, stearyl alcohol, and cod liver oil;
- (b) at least one antioxidant selected from the group consisting of butylated hydroxytoluene and butylated hydroxyanisole;
- (c) a solvent component comprising at least one solvent selected from the group consisting of ethylene glycol, glycerin, propylene glycol, and butylene glycol; and
- (d) a preservative component comprising at least one preservative selected from the group consisting of methylparaben, propylparaben, and diazolidinyl urea.

42. A composition comprising an oil-in-water emulsion comprising:

- (a) allantoin; and
- (b) an emulsifier system comprising:
  - (i) cetyl alcohol; and
  - (ii) stearic acid;

wherein the pH of the composition is adjusted to a value in the range of from about 3.0 to about 6.0.

43. The composition of claim 42 wherein the pH is from about 5.0 to about 5.8.

44. The composition of claim 42 wherein the composition further comprises triethanolamine to adjust the pH.

45. The composition of claim 42 wherein the composition further comprises at least one of:

(a) a solvent component comprising at least one solvent selected from the group consisting of ethylene glycol, propylene glycol, glycerin, and butylene glycol;

(b) an emollient component comprising at least one emollient selected from the group consisting of lanolin oil and cod liver oil;

(c) at least one antioxidant selected from the group consisting of butylated hydroxytoluene and butylated hydroxyanisole; and

(d) a preservative component comprising at least one preservative selected from the group consisting of methylparaben and propylparaben.

46. The composition of claim 42 wherein the composition comprises:

(a) from about 50.0% to about 90.0% of water;

(b) from about 2.0% to about 9.0% of propylene glycol;

(c) from about 0.20% to about 4.0% of triethanolamine;

(d) from about 5.0% to about 15.0% of lanolin oil;

(e) from about 1.0% to about 7.0% of cetyl alcohol;

(f) from about 0.50% to about 5.0% of stearic acid;

(g) from about 1.0% to about 7.0% of cod liver oil;

(h) from about 0.10% to about 1.0% of butylated hydroxytoluene;

(i) from about 0.10% to about 0.50% of methylparaben;

(j) from about 0.10% to about 0.50% of propylparaben;

(k) from about 0.50% to about 10.0% of allantoin; and

(l) from about 0.05% to about 0.50% of fragrance.

47. The composition of claim 46 wherein the composition comprises:

(a) from about 60.0% to about 85.0% of water;

- (b) from about 4.0% to about 7.0% of propylene glycol;
- (c) from about 0.50% to about 3.0% of triethanolamine;
- (d) from about 8.0% to about 12.0% of lanolin oil;
- (e) from about 2.0% to about 6.0% of cetyl alcohol;
- (f) from about 1.0% to about 4.0% of stearic acid;
- (g) from about 1.50% to about 5.0% of cod liver oil;
- (h) from about 0.20% to about 0.80% of butylated hydroxytoluene;
- (i) from about 0.15% to about 0.40% of methylparaben;
- (j) from about 0.15% to about 0.40% of propylparaben;
- (k) from about 1.0% to about 2.0% of allantoin; and
- (l) from about 0.10% to about 0.40% of fragrance.

48. The composition of claim 47 wherein the composition comprises:

- (a) about 71.70% of water;
- (b) about 5.70% of propylene glycol;
- (c) about 1.25% of triethanolamine;
- (d) about 10.60% of lanolin oil;
- (e) about 3.50% of cetyl alcohol;
- (f) about 2.50% of stearic acid;
- (g) about 5.0% of cod liver oil;
- (h) about 0.50% of butylated hydroxytoluene;
- (i) about 0.30% of methylparaben;
- (j) about 0.25% of propylparaben;
- (k) about 1.50% of allantoin; and
- (l) about 0.20% of fragrance.

49. The composition of claim 46 wherein the composition comprises:

- (a) about 64.20% of water;
- (b) about 5.70% of propylene glycol;
- (c) about 1.25% of triethanolamine;
- (d) about 10.60% of lanolin oil;
- (e) about 3.50% of cetyl alcohol;

- (f) about 2.50% of stearic acid;
- (g) about 5.0% of cod liver oil;
- (h) about 0.50% of butylated hydroxytoluene;
- (i) about 0.30% of methylparaben;
- (j) about 0.25% of propylparaben;
- (k) about 9.00% of allantoin; and
- (l) about 0.20% of fragrance.

50. A composition comprising an oil-in-water emulsion comprising:

- (a) allantoin;
- (b) an emulsifier system comprising:
  - (i) sodium stearoyl lactylate;
  - (ii) sodium isostearoyl lactylate;
  - (iii) optionally, triethanolamine stearate; and
  - (iv) optionally, at least one nonionic emulsifier selected from the group consisting of a nonionic emulsifier that is an ethoxylated ether or an ethoxylated ester whose carbon chain length ranges from 8 to 22 carbon atoms; and
- (c) an acid to adjust the pH to a range of from about 3.0 to about 6.0.

51. The composition of claim 50 wherein the pH is from about 5.0 to about 5.8.

52. The composition of claim 51 wherein the acid is citric acid.

53. The composition of claim 50 further comprising at least one of:

- (a) a solvent component comprising at least one solvent selected from the group consisting of ethylene glycol, propylene glycol, butylene glycol, and glycerin;
- (b) an emollient component comprising at least one emollient selected from the group consisting of lanolin oil, cetyl alcohol, and cod liver oil;
- (c) at least one antioxidant selected from the group consisting of butylated hydroxytoluene and butylated hydroxyanisole;
- (d) tetrasodium EDTA; and



- (m) from about 1.0% to about 2.0% of allantoin; and
- (n) from about 0.10% to about 0.40% of fragrance.

56. The composition of claim 55 wherein the composition comprises:

- (a) about 73.42% of water;
- (b) about 5.70% of propylene glycol;
- (c) about 0.18% of citric acid;
- (d) about 1.00% of sodium stearoyl lactylate;
- (e) about 0.25% of sodium isostearoyl lactylate;
- (f) about 0.15% of tetrasodium EDTA;
- (g) about 15.0% of lanolin oil;
- (h) about 3.80% of cetyl alcohol;
- (i) about 2.00% of cod liver oil;
- (j) about 0.50% of butylated hydroxytoluene;
- (k) about 0.30% of methylparaben;
- (l) about 0.25% of propylparaben;
- (m) about 1.50% of allantoin; and
- (n) about 0.20% of fragrance.

57. The composition of claim 54 wherein the composition comprises:

- (a) about 65.92% of water;
- (b) about 5.70% of propylene glycol;
- (c) about 0.18% of citric acid;
- (d) about 1.00% of sodium stearoyl lactylate;
- (e) about 0.25% of sodium isostearoyl lactylate;
- (f) about 0.15% of tetrasodium EDTA;
- (g) about 15.0% of lanolin oil;
- (h) about 3.80% of cetyl alcohol;
- (i) about 2.00% of cod liver oil;
- (j) about 0.50% of butylated hydroxytoluene;
- (k) about 0.30% of methylparaben;
- (l) about 0.25% of propylparaben;

- (m) about 9.00% of allantoin; and
- (n) about 0.20% of fragrance.

58. A composition comprising an oil-in-water emulsion comprising:

- (a) allantoin;
- (b) an emulsifier system comprising at least one polyethyleneglycol ether of cetearyl alcohol, wherein the number of polyethylene glycol moieties in the polyethyleneglycol ether of cetearyl alcohol is from 6 to 40; and
- (c) an acid to adjust the pH of the composition to a range of from about 3.0 to about 6.0.

59. The composition of claim 58 wherein the pH is from about 5.0 to about 5.8.

60. The composition of claim 58 wherein the acid is citric acid.

61. The composition of claim 58 further comprising at least one of:

- (a) a solvent component comprising at least one solvent selected from the group consisting of ethylene glycol, propylene glycol, butylene glycol, and glycerin;
- (b) an emollient component comprising at least one emollient selected from the group consisting of lanolin oil, cetyl alcohol, stearyl alcohol, and cod liver oil;
- (c) at least one antioxidant selected from the group consisting of butylated hydroxytoluene and butylated hydroxyanisole;
- (d) tetrasodium EDTA; and
- (e) a preservative component comprising at least one preservative selected from the group consisting of methylparaben, propylparaben, and diazolidinyl urea.

62. The composition of claim 61 wherein the emulsifier system comprises ceteareth-25 and ceteareth-6.

63. The composition of claim 59 wherein the composition comprises:

- (a) from about 50.0% to about 90.0% of water;
- (b) from about 2.0% to about 9.0% of propylene glycol;

- (c) from about 0.05% to about 0.50% of tetrasodium EDTA;
- (d) from about 0.50% to about 4.0% of ceteareth-25;
- (e) from about 0.04% to about 0.40% of citric acid;
- (f) from about 5.0% to about 15.0% of lanolin oil;
- (g) from about 3.0% to about 10.0% of cetyl alcohol;
- (h) from about 1.0% to about 5.0% of stearyl alcohol;
- (i) from about 0.50% to about 4.0% of ceteareth-6;
- (j) from about 1.0% to about 7.0% of cod liver oil;
- (k) from about 0.1% to about 1.0% of butylated hydroxytoluene;
- (l) from about 0.10% to about 0.50% of methylparaben;
- (m) from about 0.10% to about 0.50% of propylparaben;
- (n) from about 0.05% to about 0.50% of diazolidinyl urea;
- (o) from about 0.50% to about 10.0% of allantoin; and
- (p) from about 0.05% to about 0.50% of fragrance.

64. The composition of claim 63 wherein the composition comprises:

- (a) from about 55.0% to about 75.0% of water;
- (b) from about 4.2% to about 7.0% of propylene glycol;
- (c) from about 0.10% to about 0.30% of tetrasodium EDTA;
- (d) from about 2.0% to about 3.5% of ceteareth-25;
- (e) from about 0.10% to about 0.30% of citric acid;
- (f) from about 8.0% to about 12.0% of lanolin oil;
- (g) from about 3.5% to about 7.5% of cetyl alcohol;
- (h) from about 2.0% to about 4.0% of stearyl alcohol;
- (i) from about 1.0% to about 3.0% of ceteareth-6;
- (j) from about 1.0% to about 4.0% of cod liver oil;
- (k) from about 0.20% to about 0.80% of butylated hydroxytoluene;
- (l) from about 0.15% to about 0.40% of methylparaben;
- (m) from about 0.15% to about 0.40% of propylparaben;
- (n) from about 0.10% to about 0.30% of diazolidinyl urea;
- (o) from about 1.0% to about 2.0% of allantoin; and
- (p) from about 0.10% to about 0.30% of fragrance.



65. The composition of claim 64 wherein the composition comprises:

- (a) about 66.33% of water;
- (b) about 5.70% of propylene glycol;
- (c) about 0.15% of tetrasodium EDTA;
- (d) about 2.60% of ceteareth-25;
- (e) about 0.12% of citric acid;
- (f) about 10.60% of lanolin oil;
- (g) about 4.30% of cetyl alcohol;
- (h) about 3.50% of stearyl alcohol;
- (i) about 1.80% of ceteareth-6;
- (j) about 2.00% of cod liver oil;
- (k) about 0.50% of butylated hydroxytoluene;
- (l) about 0.30% of methylparaben;
- (m) about 0.25% of propylparaben;
- (n) about 0.15% of diazolidinyl urea;
- (o) about 1.50% of allantoin; and
- (p) about 0.20% of fragrance.

66. The composition of claim 63 wherein the composition comprises:

- (a) about 58.83% of water;
- (b) about 5.70% of propylene glycol;
- (c) about 0.15% of tetrasodium EDTA;
- (d) about 2.60% of ceteareth-25;
- (e) about 0.12% of citric acid;
- (f) about 10.60% of lanolin oil;
- (g) about 4.30% of cetyl alcohol;
- (h) about 3.50% of stearyl alcohol;
- (i) about 1.80% of ceteareth-6;
- (j) about 2.00% of cod liver oil;
- (k) about 0.50% of butylated hydroxytoluene;
- (l) about 0.30% of methylparaben;
- (m) about 0.25% of propylparaben;

- (n) about 0.15% of diazolidinyl urea;
- (o) about 9.00% of allantoin; and
- (p) about 0.20% of fragrance.

67. A composition comprising an oil-in-water emulsion comprising:

- (a) allantoin;
- (b) an emulsifier system comprising:
  - (i) a polyethylene glycol ester of stearic acid; and
  - (ii) glyceryl stearate; and
- (c) an acid to adjust the pH of the composition to a range of from about 3.0

to about 6.0.

68. The composition of claim 67 wherein the pH is from about 5.0 to about 5.8.

69. The composition of claim 67 wherein the number of ethylene glycol moieties in the polyethylene glycol ester of stearic acid is from 25 to 100.

70. The composition of claim 69 wherein the polyethylene glycol ester of stearic acid is PEG-100 stearate.

71. The composition of claim 67 wherein the acid is citric acid.

72. The composition of claim 67 wherein the composition further comprises at least one of:

- (a) a solvent component comprising at least one solvent selected from the group consisting of ethylene glycol, propylene glycol, butylene glycol, and glycerin;
- (b) an emollient component comprising at least one emollient selected from the group consisting of lanolin oil, cetyl alcohol, stearyl alcohol, and cod liver oil;
- (c) at least one antioxidant selected from the group consisting of butylated hydroxytoluene and butylated hydroxyanisole;
- (d) tetrasodium EDTA; and

(e) a preservative component comprising at least one preservative selected from the group consisting of methylparaben, propylparaben, and diazolidinyl urea.

73. The composition of claim 68 wherein the composition comprises:

- (a) from about 50.0% to about 90.0% of water;
- (b) from about 2.0% to about 9.0% of propylene glycol;
- (c) from about 0.05% to about 0.50% of tetrasodium EDTA;
- (d) from about 0.04% to about 0.40% of citric acid;
- (e) from about 1.0% to about 5.0% of PEG-100 stearate;
- (f) from about 5.0% to about 15.0% of lanolin oil;
- (g) from about 2.0% to about 10.0% of cetyl alcohol;
- (h) from about 1.0% to about 4.0% of stearyl alcohol;
- (i) from about 1.0% to about 5.0% of glyceryl stearate;
- (j) from about 1.0% to about 7.0% of cod liver oil;
- (k) from about 0.10% to about 1.0% of butylated hydroxytoluene;
- (l) from about 0.10% to about 0.50% of methylparaben;
- (m) from about 0.10% to about 0.50% of propylparaben;
- (n) from about 0.05% to about 0.50% of diazolidinyl urea;
- (o) from about 0.50% to about 10.0% of allantoin; and
- (p) from about 0.05% to about 0.50% of fragrance.

74. The composition of claim 73 wherein the composition comprises:

- (a) from about 55.0% to about 80.0% of water;
- (b) from about 4.0% to about 7.0% of propylene glycol;
- (c) from about 0.10% to about 0.30% of tetrasodium EDTA;
- (d) from about 0.10% to about 0.30% of citric acid;
- (e) from about 1.50% to about 3.0% of PEG-100 stearate;
- (f) from about 8.0% to about 12.0% of lanolin oil;
- (g) from about 2.5% to about 7.5% of cetyl alcohol;
- (h) from about 1.0% to about 3.5% of stearyl alcohol;
- (i) from about 2.0% to about 4.0% of glyceryl stearate;
- (j) from about 1.0% to about 4.0% of cod liver oil;

- (k) from about 0.20% to about 0.80% of butylated hydroxytoluene;
- (l) from about 0.15% to about 0.40% of methylparaben;
- (m) from about 0.15% to about 0.40% of propylparaben;
- (n) from about 0.10% to about 0.30% of diazolidinyl urea;
- (o) from about 1.0% to about 2.0% of allantoin; and
- (p) from about 0.10% to about 0.40% of fragrance.

75. The composition of claim 74 wherein the composition comprises:

- (a) about 67.86% of water;
- (b) about 5.70% of propylene glycol;
- (c) about 0.15% of tetrasodium EDTA;
- (d) about 0.14% of citric acid;
- (e) about 2.60% of PEG-100 stearate;
- (f) about 10.60% of lanolin oil;
- (g) about 3.00% of cetyl alcohol;
- (h) about 2.50% of stearyl alcohol;
- (i) about 2.50% of glyceryl stearate;
- (j) about 2.00% of cod liver oil;
- (k) about 0.50% of butylated hydroxytoluene;
- (l) about 0.30% of methylparaben;
- (m) about 0.25% propylparaben;
- (n) about 0.20% of diazolidinyl urea;
- (o) about 1.50% of allantoin; and
- (p) about 0.20% of fragrance.

76. The composition of claim 73 wherein the composition comprises:

- (a) about 60.36% of water;
- (b) about 5.70% of propylene glycol;
- (c) about 0.15% of tetrasodium EDTA;
- (d) about 0.14% of citric acid;
- (e) about 2.60% of PEG-100 stearate;
- (f) about 10.60% of lanolin oil;

- (g) about 3.00% of cetyl alcohol;
- (h) about 2.50% of stearyl alcohol;
- (i) about 2.50% of glyceryl stearate;
- (j) about 2.00% of cod liver oil;
- (k) about 0.50% of butylated hydroxytoluene;
- (l) about 0.30% of methylparaben;
- (m) about 0.25% propylparaben;
- (n) about 0.20% of diazolidinyl urea;
- (o) about 9.00% of allantoin; and
- (p) about 0.20% of fragrance.

77. A composition comprising an oil-in-water emulsion comprising:

- (a) allantoin;
- (b) a carbohydrate polymer; and
- (c) an emulsifier system comprising:
  - (i) an acidic wax; and
  - (ii) an anionic emulsifier that is substantially hydrophilic and is

soluble in water;

wherein the pH of the composition is in a range from about 3.0 to about 6.0.

78. The composition of claim 77 wherein the pH of the composition is in a range of from about 5.0 to about 6.0.

79. The composition of claim 77 wherein the carbohydrate polymer is selected from the group consisting of galactoarabinan, polygalactose, and polyarabinose.

80. The composition of claim 79 wherein the carbohydrate polymer is galactoarabinan.

81. The composition of claim 77 wherein the anionic emulsifier that is substantially hydrophilic and soluble in water is selected from the group consisting of ammonium lauryl sulfate, sodium laureth sulfate, sodium oleyl succinate, ammonium lauryl

sulfosuccinate, sodium dodecylbenzenesulfonate, ammonium laureth sulfate, sodium N-lauryl sarcosinate, and sodium lauryl sulfate.

82. The composition of claim 81 wherein the anionic emulsifier that is substantially hydrophilic and soluble in water is sodium lauryl sulfate.

83. The composition of claim 77 wherein the acidic wax is selected from the group consisting of beeswax, carnauba wax, candelilla wax, siliconyl beeswax, siliconyl carnauba wax, and a synthetic acidic wax.

84. The composition of claim 83 wherein the acidic wax is beeswax.

85. The composition of claim 77 wherein the composition further comprises citric acid.

86. The composition of claim 77 further comprising at least one of:

- (a) a solvent component comprising at least one solvent selected from the group consisting of ethylene glycol, propylene glycol, butylene glycol, and glycerin;
- (b) an emollient component comprising at least one emollient selected from the group consisting of lanolin oil, cetyl alcohol, stearyl alcohol, and cod liver oil;
- (c) at least one antioxidant selected from the group consisting of butylated hydroxytoluene; and butylated hydroxyanisole;
- (d) tetrasodium EDTA; and
- (e) a preservative component comprising at least one preservative selected from the group consisting of methylparaben and propylparaben.

87. The composition of claim 78 wherein the composition comprises:

- (a) from about 50.0% to about 90.0% of water;
- (b) from about 2.0% to about 9.0% of propylene glycol;
- (c) from about 0.50% to about 5.0% of a 30% solution of sodium lauryl sulfate;
- (d) from about 0.05% to about 0.30% of tetrasodium EDTA;

(e) from about 1.0% to about 25.0% of galactoarabinan;  
 (f) from about 0.05% to about 0.25% of citric acid;  
 (g) from about 5.0% to about 15.0% of lanolin oil;  
 (h) from about 1.0% to about 8.0% of cetyl alcohol;  
 (i) from about 0.50% to about 6.0% of stearyl alcohol;  
 (j) from about 0.50% to about 5.0% of an acidic wax selected from the group consisting of beeswax, carnauba wax, candelilla wax, siliconyl beeswax, siliconyl carnauba wax, and a synthetic acidic wax;

- (k) from about 0.50% to about 15.0% of cod liver oil;
- (l) from about 0.1% to about 3.0% of butylated hydroxytoluene;
- (m) from about 0.10% to about 0.50% of methylparaben;
- (n) from about 0.10% to about 0.50% of propylparaben;
- (o) from about 0.50% to about 10.0% of allantoin; and
- (p) from about 0.05% to about 0.50% of fragrance.

88. The composition of claim 87 wherein the acidic wax is beeswax.

89. The composition of claim 87 wherein the composition comprises:

- (a) from about 60.0% to about 80.0% of water;
- (b) from about 4.0% to about 7.0% of propylene glycol;
- (c) from about 1.0% to about 3.0% of a 30% solution of sodium lauryl sulfate;
- (d) from about 0.10% to about 0.20% of tetrasodium EDTA;
- (e) from about 3.0% to about 15.0% of galactoarabinan;
- (f) from about 0.10% to about 0.20% of citric acid;
- (g) from about 8.0% to about 12.0% of lanolin oil;
- (h) from about 2.0% to about 7.0% of cetyl alcohol;
- (i) from about 1.0% to about 4.0% of stearyl alcohol;
- (j) from about 1.0% to about 3.0% of an acidic wax selected from the group consisting of beeswax, carnauba wax, candelilla wax, siliconyl beeswax, siliconyl carnauba wax, and a synthetic acidic wax;
- (k) from about 1.0% to about 10.0% of cod liver oil;

- (l) from about 0.25% to about 2.50% of butylated hydroxytoluene;
- (m) from about 0.15% to about 0.40% of methylparaben;
- (n) from about 0.15% to about 0.40% of propylparaben;
- (o) from about 1.0% to about 2.0% of allantoin; and
- (p) from about 0.10% to about 0.40% of fragrance.

90. The composition of claim 89 wherein the acidic wax is beeswax.

91. The composition of claim 89 wherein the composition comprises:

- (a) about 61.65% of water;
- (b) about 5.70% of propylene glycol;
- (c) about 1.90% of a 30% solution of sodium lauryl sulfate;
- (d) about 0.15% of tetrasodium EDTA;
- (e) about 5.00% of galactoarabinan;
- (f) about 0.15% of citric acid;
- (g) about 10.60% of lanolin oil;
- (h) about 4.20% of cetyl alcohol;
- (i) about 2.00% of stearyl alcohol;
- (j) about 1.90% of an acidic wax selected from the group consisting of

beeswax, carnauba wax, candelilla wax, siliconyl beeswax, siliconyl carnauba wax, and a synthetic acidic wax;

- (k) about 2.00% of cod liver oil;
- (l) about 0.50% of butylated hydroxytoluene;
- (m) about 0.30% of methylparaben;
- (n) about 0.25% of propylparaben;
- (o) about 1.50% of allantoin; and
- (p) about 0.20% of fragrance.

92. The composition of claim 91 wherein the acidic wax is beeswax.

93. The composition of claim 87 wherein the composition comprises:

- (a) about 54.15% of water;



(b) about 5.70% of propylene glycol;  
 (c) about 1.90% of a 30% solution of sodium lauryl sulfate;  
 (d) about 0.15% of tetrasodium EDTA;  
 (e) about 5.00% of galactoarabinan;  
 (f) about 0.15% of citric acid;  
 (g) about 10.60% of lanolin oil;  
 (h) about 4.20% of cetyl alcohol;  
 (i) about 2.00% of stearyl alcohol;  
 (j) about 1.90% of an acidic wax selected from the group consisting of beeswax, carnauba wax, candelilla wax, siliconyl beeswax, siliconyl carnauba wax, and a synthetic acidic wax;

- (k) about 2.00% of cod liver oil;  
 (l) about 0.50% of butylated hydroxytoluene;  
 (m) about 0.30% of methylparaben;  
 (n) about 0.25% of propylparaben;  
 (o) about 9.00% of allantoin; and  
 (p) about 0.20% of fragrance.

94. The composition of claim 93 wherein the acidic wax is beeswax.

95. A composition comprising an oil-in-water emulsion comprising:

- (a) allantoin in a concentration of at least about 2.5%; and  
 (b) an emulsifier system comprising:  
 (i) an acidic wax; and  
 (ii) an anionic emulsifier that is substantially hydrophilic and is

soluble in water;

wherein the pH of the composition is in a range from about 3.0 to about 6.0.

96. The composition of claim 95 wherein the anionic emulsifier that is substantially hydrophilic and soluble in water is selected from the group consisting of ammonium lauryl sulfate, sodium laureth sulfate, sodium oleyl succinate, ammonium lauryl

sulfosuccinate, sodium dodecylbenzenesulfonate, ammonium laureth sulfate, sodium N-lauryl sarcosinate, and sodium lauryl sulfate.

97. The composition of claim 96 wherein the anionic emulsifier that is substantially hydrophilic and soluble in water is sodium lauryl sulfate.

98. The composition of claim 95 wherein the acidic wax is selected from the group consisting of beeswax, carnauba wax, candelilla wax, siliconyl beeswax, siliconyl carnauba wax, and a synthetic acidic wax.

99. The composition of claim 98 wherein the acidic wax is beeswax.

100. The composition of claim 94 wherein the composition further comprises citric acid.

101. The composition of claim 94 further comprising at least one of:

- (a) a solvent component comprising at least one solvent selected from the group consisting of ethylene glycol, propylene glycol, butylene glycol, and glycerin;
- (b) an emollient component comprising at least one emollient selected from the group consisting of lanolin oil, cetyl alcohol, and stearyl alcohol;
- (c) tetrasodium EDTA; and
- (d) a preservative component comprising at least one preservative selected from the group consisting of methylparaben and propylparaben.

102. The composition of claim 78 wherein the composition comprises:

- (a) from about 50.0% to about 90.0% of water;
- (b) from about 2.0% to about 9.0% of propylene glycol;
- (c) from about 0.50% to about 5.0% of a 30% solution of sodium lauryl sulfate;
- (d) from about 0.05% to about 0.50% of tetrasodium EDTA;
- (e) from about 0.05% to about 0.50% of citric acid;
- (f) from about 5.0% to about 15.0% of lanolin oil;

- (g) from about 3.0% to about 10.0% of cetyl alcohol;
- (h) from about 1.0% to about 5.0% of stearyl alcohol;
- (i) from about 0.50% to about 5.0% of an acidic wax selected from the group consisting of beeswax, carnauba wax, candelilla wax, siliconyl beeswax, siliconyl carnauba wax, and a synthetic acidic wax;
- (j) from about 0.10% to about 0.50% of methylparaben;
- (k) from about 0.10% to about 0.50% of propylparaben;
- (l) from about 2.5% to about 10.0% of allantoin; and
- (m) from about 0.05% to about 0.50% of fragrance.

103. The composition of claim 102 wherein the acidic wax is beeswax.

104. The composition of claim 102 wherein the composition comprises:

- (a) about 58.98% of water;
- (b) about 5.70% of propylene glycol;
- (c) about 3.00% of a 30% solution of sodium lauryl sulfate;
- (d) about 0.15% of tetrasodium EDTA;
- (e) about 0.12% of citric acid;
- (g) about 10.60% of lanolin oil;
- (h) about 4.20% of cetyl alcohol;
- (i) about 2.00% of stearyl alcohol;
- (j) about 3.00% of an acidic wax selected from the group consisting of beeswax, carnauba wax, candelilla wax, siliconyl beeswax, siliconyl carnauba wax, and a synthetic acidic wax;
- (k) about 0.30% of methylparaben;
- (l) about 0.25% of propylparaben;
- (m) about 9.0% of allantoin; and
- (n) about 0.20% of fragrance.

105. The composition of claim 104 wherein the acidic wax is beeswax.